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WRIGHT STATE

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Research News

Office of Research Development

DEAN'S OFFICE
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June, 1975
Vol. VII, No. 12

GRANTS AND AWARDS

Mr. Wylie Graham has received a contract from the Ohio Department of Education in the amount of \$6,409 to conduct an Advanced Driver Education program this summer as he has in previous years. Project #391.

Dr. George J. Kantor has received a new research grant from the National Cancer Institute in the amount of \$24,923 to study the "Effects of Radiation on Human Cells Cultured in Vitro." This project will explore the effects of low doses of ultraviolet and ionizing radiation on HDF strains of human tissues with specific mal conditions. It is designed to relate DNA repair capabilities and aging characteristics. Project #392.

Dr. Prem P. Batra has received a continuation grant in the amount of \$20,067 from the National Institute of Allergy and Infectious Diseases for his research on "Biosynthesis of Carotenes in Mycobacteria." This investigates the biosynthetic pathway of cyclic carotenes. Preparation of carotenogenic enzyme systems is essential for investigating the mode of regulation of carotene synthesis by light and antimycin A. Project #393.

A new research grant in the amount of \$760 has been awarded to Dr. Timothy S. Wood by the Ohio Biological Survey for his work entitled, "A Study of the Distribution and Taxonomy of Freshwater Ectoprocta in Western Lake Erie." Results of these studies should enhance the existing ectoprocta survey. Project #394.

The Office of Human Development at the Rehabilitation Services Administration has awarded a short term Rehabilitation Counselor Training grant in the amount of \$13,284 to Perry Hall. Three training sessions are to be conducted jointly by WSU and Bowling Green State University for approximately 80 trainees. Project #395.

Drs. B. C. Keel and J. H. Mielke will conduct Phase I of Archaeological Testing of Sites in Newfields New Community, Ohio, under a new research agreement with the National Park Service of the Department of the Interior in the amount of \$1,495. Project #396.

Grants and Awards (cont.)

Dr. Edward J. Spanier will supervise a Regional Medical Program for the Greater Miami Valley Sub-Regional Organization for Health Manpower Education and Training (SOHMET). This contract in the amount of \$49,542 involves the coordination of all aspects of health manpower education and training in this area. Project #397.

A renewal grant in the amount of \$13,400 has been awarded by the Ohio Board of Regents, Community Service and Continuing Education, to Drs. Thomas Dovel and Edward Nicholson for their program, "Minority Business Assistance through Education and Counseling. Project #398.

Rutgers Packaging has assigned \$387.30 to Dr. Michael Smith for Press Sample Analyses To Discover Reason for Product Tinting Problem. Project #399.

The National Heart and Lung Institute has awarded Dr. Robert J. Hay the proposed \$55,550 to continue his study (through September, 1976) on "Development of Cell Strains from Human and Guinea Pig Lungs." Continuation of Project #363.

The National Institute of Environmental Health Sciences has awarded Dr. Charles Colbert \$40,615 to continue his study (through May 31, 1976) on "Rapid Screening for Lead Poisoning." Project #400.

* * * * *

ATOMIC ENERGY COMMISSION

The Nuclear Science and Technology Summer Faculty Training Institutes and Workshops (program 24.007) of the Atomic Energy Commission (now under ERDA) provides project grants and contracts for such institutes and workshops which are designed to train and update the training of college science and engineering faculty in energy development environmental effects. Institutes may vary in length from one to six weeks. Institutions serving as hosts receive administrative costs. Participants receive \$100 plus \$20 per week per dependent and limited travel allowance. Workshop participants receive a living allowance of up to \$100/week.

Possibly two institutes will be supported this year, but with the new ERDA funding, this may increase for 1976.

Proposals should be submitted by September 1, 1975, to host an institute or workshop in the summer of 1976.

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Great opportunities come to those who make the most of the small ones.

New Feature

Proposals submitted through the Office of Research Development in the previous month. (Several not listed below have already been awarded and are in the projects shown on the cover page.)

- 75-101 Drs. Nicholas Piediscalzi & James Uphoff 3/28/75
Cox Foundation \$5,000

Proposal for Sponsorship of the PERSC Newsletter
- 75-102 Drs. Nicholas Piediscalzi & James Uphoff 3/28/75
The Cincinnati Enquirer Foundation \$5,000

Proposal for Sponsorship of the PERSC Newsletter
- 75-106 Dr. John Beljan 4/3/75 HEW-PHS \$179,912 - 1 yr.
\$1,675,937 - 4 yrs.

Start-Up Grant Assistance Program
- 75-107 Drs. William Collie & Nicholas Piediscalzi 4/8/75
Tait Foundation \$10,000

Miami Valley Consultation Service in Religious Studies
- 75-109 Dr. Francis Jankowski 4/10/75 Dept. of Transportation (U.S.) Sol. No. NHTSA-5-A766 \$68,488

"Critical Incident Study of Vehicle Crash Avoidance Systems."
- 75-111 Mr. Perry Hall 4/16/75 DHEW Office of Human Development, SRA \$43,397 (continuation of #325)

Long-Term Rehabilitation Counselor Training (5 yrs.)
- 75-112 Donna Deane 4/11/75 HEW-PHS-HRS

Application to Participate in the Nursing Capitation Grant Program
- 75-113 Patricia Marx 4/19/75 HEW-OE, Career Ed. \$22,985

Career Education Program for Physically Disabled Students
- 75-114 Dr. Patrick Nolan 4/18/75 American Revolutionary Bicentennial Administration \$22,225

The Greater Miami Valley Bicentennial Photo-documentary

Previous Month's Proposals (cont.)

- 75-115 Eleanor Koch 4/19/75 HEW-OE, Career Ed. \$153,645
4 yrs.
Career Services Center
- 75-116 Dr. M. Menon 4/24/75 WPAFB \$135,531 - 1 yr.
\$65,359 - 2nd yr. \$65,694 - 3rd yr.
"Life Prediction Techniques for Analyzing Creep-Fatigue Interaction in Advanced Nickel-Base Superalloys."
- 75-118 Dr. Frank Harris 4/30/75 U. S. Army \$20,321
1 yr. \$25,090 - 2nd yr.
"Characterization and Evaluation of Polymers Containing Herbicides as Pendent Side Chains."
- 75-121 Dr. John Beljan 4/28/75 VA \$2,631,066
(continuation of #320)
Continuation Application (second year)
- 75-122 Drs. Joseph Chao & Robert Premus 4/30/75 HEW-OE
\$23,544
Institutional Grant for Public Service Programs in Social and Applied Economics

Preliminary Proposals

- P75-33 Drs. B. Richard & Frederick Paillet 4/22/75
EPA, Robert Kerr Environmental Res. Lab.
\$25,000
"Relationships of Glacial Melt Water Channels to Present Stream Formation as a Land Use Planning Aid."
- P75-34 Mr. Howard E Bales 4/15/75 NSF \$60,805 - 1 yr.
\$143,850 for Total of 3 yrs.
User Development Program

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To err is human; to blame it on someone else
is even more human.

UNDERGRADUATE
RESEARCH
PARTICIPATION

The National Science Foundation provides support to colleges & universities to enable ongoing research activities as colleagues or members of a research team. Faculty may select appropriately qualified and talented undergraduate students to give them an opportunity for an experience in an investigative, project centered activity and to foster a more open approach to the education of young scholars of promise.

There are three basic programs:

Undergraduate Research Participation
Undergraduate Research
Undergraduate Independent Study

There is an additional Experimental Industrial URP Program that provides an opportunity for research in industry through co-sponsorship of faculty and industrial scientists.

Deadline for submission of proposals is September 10.

Projects under this program are eligible for Government Excess Property.

For additional information call the Office of Research Development, Ext. 2425 or 2426.

YOUNG INVESTIGATOR
RESEARCH GRANTS

The National Heart & Lung Institute has established November 1, 1975 as the deadline for applications for its Young Investigator Pulmonary Research Program. This program is intended to foster the pulmonary research interests of young scientists by providing them modest, independent support for a project of their own design. It is also designed to encourage young investigators who are in basic science disciplines to develop interests in pulmonary-related research.

Grants are available to young investigators who have not had NIH support and who are under 35 years of age. Proposals will be reviewed in March, 1976, and awards announced July 1, 1976.

Call Ext. 2425(6) if you would like the Office of Research Development to request application forms.

* * *

Our days are suitcases, all the same size, but some persons seem to be able to pack more into them than others.

STUDENT SCIENCE
TRAINING PROGRAM

The Student Science Training Program of the National Science Foundation has a deadline date of October 10, 1975 for proposals for participation in this program.

The basic goal is to provide talented students with science learning opportunities above and beyond those normally available in most formal science education programs.

The program provides for active participation of students with college faculty in specially designed instruction and investigative work. Projects should stress independence and responsibility of the students involved.

Three types of projects receive support from N. S. F.:

- (1) Special Advanced Courses
- (2) Research Participation and
- (3) Appropriate Combinations of these

The complete program (NSF E76-43) is available in the Office of Research Development for anyone having an interest in preparing a proposal.

Areas included in the program are: Biological Sciences, Chemistry, Engineering, Earth Sciences, Interdisciplinary Sciences, Mathematics, Physics, Astronomy, Social Sciences, Psychology and Environmental Sciences.

CARNEGIE CORPORATION
OF NEW YORK

In the United States program of the Carnegie Corporation, grants are made primarily for research and demonstration projects in early childhood education, certain aspects of elementary and secondary education, and higher and professional education. In addition there are a few grants for research and monitoring projects designed to make the government more responsive to the needs of citizens. One hundred twenty awards for a total of \$16,594,797 were made in 1973.

A preliminary proposal is suggested and should coincide with the academic year - October through June.

* * *

One Congressman to another: "You know . . . you spend a billion here, a billion there, and the first thing you know, it adds up."

THE FOUNDATION
DIRECTORY 5TH
EDITION

This 1975 Edition of the Foundation Directory is available in the Office of Research Development for review of potential support funding for your special interest projects or programs. This publication, by the Columbia University Press, lists 2,533 foundations with either \$1,000,000 or more in assets and \$500,000 or more in grants reported.

Past distributions to Colleges and Departments of the University of information compiled by this office categorized by special interest areas may be updated if time will allow. The volume is indexed by fields of interest and is easily reviewed for appropriate relationship of foundation and faculty interest matching.

RANN
PRODUCTIVITY
RESEARCH

The Research Applied to National Needs section of NSF has set November 11, as the due date for 1976 applications for grants to conduct research on productivity measurement systems for administrative purposes. This program is provided to support basic, exploratory, and applied research to create a basis for the design and implementation of productivity measurement systems for administrative services. Proposals should be addressed to one of the distinct administrative service areas in the public, private, or non-profit sectors:

- (a) accounting and auditing services;
- (b) budget and management analysis;
- (c) purchasing management;
- (d) distribution, sales, and marketing management;
- (e) public information programs;
- (f) personnel administration and training;
- (g) inspection and quality control;
- (h) computing and information services.

If interested, call Ext. 2425 or 2426 so that forms may be requested.

* * *

Smile: A light placed in the window of your face
to show your heart is at home.

**NSF ISSUES EDUCATION PROGRAMS
DEADLINE SCHEDULE - FY 1976**

The National Science Foundation has issued its "Schedule of NSF Programs for Education in the Sciences - FY 1976." This table presents time-schedule information regarding NSF's education programs for (a) individuals applying for fellowships; and (b) institutions submitting proposals for all other listed programs and projects. Additional copies of this announcement may be obtained by requesting NSF Publication E-76-2 from the Public Affairs Office, National Science Foundation, Washington, D.C. 20550.

INFORMATION FOR FELLOWSHIP APPLICANTS AND INSTITUTIONS

	Program Announcement Dates	Application Closing Dates	Award Announcement Dates	Pertinent Publications
FELLOWSHIPS				
Graduate, Academic Year 1976-77	Sept. 1975	Dec. 1, 1975	March 15, 1976	E 76-12
Energy-Related Postdoctoral	Sept. 1975	Early Dec. 1975	Mid March 1976	E 76-37
North Atlantic Treaty Organization (NATO) ¹				
Postdoctoral	Aug. 1975	Oct. 27, 1975	Late Jan. 1976	E 76-13
Senior	Aug. 1975	Oct. 1, 1975	Mid Jan. 1976	E 76-14
TRAINEESHIPS				
Energy-Related Graduate	Sept. 1975	Nov. 7, 1975	Late March 1976	E 76-20

Note: Because the dates above are subject to change, prospective applicants should consult specific program announcements for exact final dates.

INFORMATION FOR INSTITUTIONS SUBMITTING PROPOSALS

(NOT for Individuals Applying for Participation)

	Program Announcement Availability	Proposal Closing Dates (receipt in NSF)	Grant Award Dates	Pertinent Publications
DIVISION OF HIGHER EDUCATION IN SCIENCE				
Alternatives in Higher Education	Fall 1975	Open	Open	E 76-5
(Instructional Materials & Modes Development; Alternative Degree Programs; Continuing Education for Scientists and Engineers)				
Faculty Research Participation	Summer 1975	Oct. 1, 1975	Late Jan. 1976	E 76-17
Science and Engineering Technician Education	Fall 1975	Open	May 1976	E 76-18
Minority Institutions Science Improvement	Now	Open	Open	E 75-8
Research Initiation Grants (Minorities)	Summer 1975	Nov. 15, 1975	Mid April 1976	E 76-45
Instructional Scientific Equipment	Summer 1975	Jan. 19, 1976	May 1976	E 76-15
OFFICE OF EXPERIMENTAL PROJECTS & PROGRAMS				
Student-Oriented Programs:				
Secondary School Students Science Training	May 1975	Oct. 10, 1975	Late Jan. 1976	E 76-43
Undergraduate Research Participation	May 1975	Sept. 10, 1975	Mid Feb. 1976	E 76-41
Student-Originated Studies	May 1975	Nov. 10, 1975	Early March 1976	E 76-42
Educational Program Restructuring	Spring 1975	Open	Open	E 76-10
(Pre-Service Teacher Education, Restructuring of the Undergraduate Learning Environment)				
Technological Innovation in Education	Spring 1975	Open	Open	E 76-9
Ethical & Human Value Implications of Science and Technology	Spring 1975	Open	Open	NSF 75-19
Special Projects	July 1, 1975	Open	Open	E 76-44
DIVISION OF PRE-COLLEGE EDUCATION IN SCIENCE				
To Be Announced Later				

CAUTION URGED IN USE
OF HUMAN SUBJECTS

Experimenters are urged to use great caution in designing and conducting studies in which subjects may experience stress, deception, or misunderstanding. The University's Guidelines for the Use of Human Subjects in Research states that "in those cases in which it is unavoidable to mislead the subject and/or in which it is possible that the experimental treatment may result in emotional stress for the subject, it is mandatory that he receive a full debriefing immediately following his "participation." Multiple session studies with delayed debriefing are to be avoided, and studies should be designed so that they can be carried out within a single session, with the participant not leaving the laboratory until full clarification is provided.

According to Administrative Memorandum No. 74-6 dated October 21, 1974, "all research using human subjects to be carried out under University auspices must have the approval of the Committee on the Use of Human Subjects in Research." Prior approval of research by the Committee can be beneficial in avoiding potential problems. The Committee is composed of representatives from a broad range of disciplines.

All research which is submitted for review should include a description of any risks and indicate whether subjects will sign a consent form and be debriefed. Ten copies of a description of the research should be sent to Howard Bales, Office of Research Development. In cases where researchers are uncertain whether their research is subject to review, they are encouraged to contact the Committee for an informal review.

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VISUAL ARTS
PROGRAM OF NEA

The National Endowment for the Arts has established the following post-mark deadlines for programs listed:

Art Critics Fellowship 1976	July 1, 1975
Workshop Program 1976	Oct. 1, 1975
Printmakers Fellowship 1976	Oct. 15, 1975
Craft Workshops 1976	Oct. 15, 1975
Fellowship Program for Artists 1976	Nov. 1, 1975
Craftsmen Fellowships 1976	Dec. 20, 1975
Works of Art in Public Places 1976	Jan. 1, 1976
Master Craftworkers Apprenticeships 1976	Jan. 1, 1976
Artists Services 1976	Feb. 1, 1976

EXPLORATION
SCHOLARSHIPS
AWARDED

The Office of Education has awarded exploration scholarships to 110 students (16 through 21 years of age) in support of their activities with 18 scientific expeditions in the United States, South America, the Caribbean, Europe, Asia, Africa, and the Middle East.

These exploration scholarships are provided through the Office of Gifted and Talented in the Office of Education and provide these selected students with a uniquely different apprenticeship opportunity to explore and define career interests. The students involved will open the summer working side by side with seasoned scientists. There were 5,000 applicants which reduced down to 300 semi-finalists from which this group was chosen.

The Educational Expedition International, in cooperation with De Witt Wallace (Reader's Digest) and the W. T. Grant Foundation, provided shared sponsorship with the Office of Education.

Three Ohio students won awards.

Application opportunities are available in the fall with the State competitions in March following the submission.

THE DANFORTH
FOUNDATION

Grants are made nationally in support of projects in higher education which have as their central focus the improvement of human educational experiences. This may be for the improvement of college teaching, student faculty relations, or personal dimensions of education. A preliminary proposal should be submitted.

AIDS-TO-EDUCATION

The following listing of potential sources of funds has been extracted from the Council for Financial Aid to Education, Inc., publication entitled "Programs of Some Leading Business Concerns", Eighth Edition, published in 1972.

The items were selected on the basis of Wright State University programs and activities. As with most reports on foundation funding, there are frequent changes in the direction of the emphasis of individual foundations.

The recent depression in the stock market has also produced drastic reductions in the funds available to this type of foundation.

These do, however, represent the best of this potential source of funding opportunities. See list on following pages.

INDUSTRIAL AND BUSINESS

AID-TO-EDUCATION

ACF Industries, Inc. - ACF Foundation, Inc.
Unrestricted grants to 28 universities. \$31,000 -
Plant sites favored - Outstanding record considered.

Abex Corporation, Abex Foundation, Inc.
Direct grants, Grants-in-aid - Chairs endowed \$43,884.

Addressograph Multigraph Corporation
\$112,000 Direct grants for Educational purposes, Bldg.
funds, Research - Vicinity of divisions.

Aetna Life & Casualty
Indirect support through associations.

Air Products & Chemicals, Inc.
Indirect through other agencies.

Alcoa Foundation
Independent College Program

Allegheny Ludlum Industries, Inc.
Unrestricted grants.

Allied Chemical Corporation, Allied Chemical Foundation
Restricted and unrestricted grants.

American Airlines, American Airlines Foundation
Service area institutions.

American Can Company Foundation
Capital fund grants.

American Cyanamid Company
Unrestricted faculty support grants & building funds.

American Express Co., American Express Foundation
Law & Business schools grants.

American Metal Climax Foundation, Inc.
Vicinity to plants of closely allied effort.

American Telephone & Telegraph company
State associations, medical and nursing.

Armstrong Cork Company
Capital funding.

The Atchison, Topeka & Santa Fe Railway Company, Santa Fe
Railway Foundation
Grants \$111,275

Industrial & Business - Aid-to-Education (continued)

- Atlantic Richfield Foundation
Unrestricted & capital grants.
- The Babcock & Wilcox Company
Unrestricted to engineering schools.
- Bankers Trust Company
Chairs in banking & international finance.
- Bethlehem Steel Corporation
Cooperative graduate training program.
- Burlington Northern Foundation
Capital funds & special teaching projects.
- Campbell Soup Fund
Area served and relationship to products.
- Celanese Corporation
Unrestricted - chemistry related.
- The Chase Manhattan Bank Foundation - International Foundation
Grants-in-aid - unrestricted & professorships - Business.
- Chemical Bank
Unrestricted gifts as awards for special programs or
curricular development.
- Chrysler Corporation Fund
Unrestricted grants - area facilities.
- CBS Foundation, Inc.
Some geographically distributed.
- Container Corporation of America
Unrestricted to institutions having specific interest.
- Continental Oil Company
Institutional grants - fundamental research.
- Cummins Engine Foundation
Previously supported Management Techniques.
- The Dayton Malleable Foundation
Scholarship funds to schools of choice.
- Dow Chemical, U. S. A.
Chemistry & Business Administration.

Industrial & Business - Aid-to-Education (continued)

E. I. Du Pont de Nemours & Company, Inc.- Science & Engineering Grants.

Du Pont Young Faculty Grants Program
Du Pont Business Grants

Eastman Kodak Co.

Research Grants (doctoral degree institutions)
Use of film in education program - special.

Esso Education Foundation

Education R & D grants - S & E department grants.

Ethyl Corporation

Unrestricted grants.

First National City Bank

Capital funding.

Ford Motor Company

Equipment - Mechanical Engineering - unrestricted.

Gardner-Denver Company

Supports Dayton Art Institute.

General Electric Foundation-Undergraduate department grants

B. A. & Engineering

Curriculum Development Grants - redesign curricula, etc.

Educational Incentive Grants

Faculty Development Grants

Graduate Grants

The General Foods Fund, Inc.

Unrestricted grants.

General Mills Foundation

Science & Business awards - health & institution.

General Motors Corporation

Research & capital.

The General Tire Foundation, Inc.

Private only.

Getty Oil Company

Direct & special grants.

The Gillette Company

Research - Fellowships S & E.

Industrial & Business - Aid-to-Education (continued)

Gulf Oil Corporation

Capital grants.
Unrestricted grants.
Departmental Assistance Grants.
Faculty Associate Research Programs.
Special College Programs.

Halliburton Education Foundation, Inc.

Unrestricted & faculty support S & E.

Harris-Intertype Corporation

Capital & equipment.
Co-op Student Program.

Honeywell Fund

Capital, faculty support, advanced education program.

Humble Companies Foundation

Unrestricted, department, special projects - equipment donation.

Inland Steel-Ryerson Foundation, Inc.

Operating support.

International Business Machines Corporation

Unrestricted & special purposes, basic research, faculty development, curriculum innovation - Fellowships to selected schools.

International Paper Company Foundation

Unrestricted - Business Administration.

Kaiser Aluminum & Chemical Corporation

Direct Capital, unrestricted, Dept. & Special Fund.

The Kendall Company Foundation

Unrestricted.

Kennecott Copper Corporation

Unrestricted & capital - Special - equipment - research projects at company divisions.

Kimberly-Clark Foundation, Inc.

Capital & special operating.

Koppers Foundation

Grants capital & development - common disciplinary interest.

Lever Brothers Company Foundation

Unrestricted.

Industrial & Business - Aid-to-Education (continued)

Lockheed Leadership Fund

Unrestricted - restricted to fund & facilities.

Medusa Foundation

Scholarship funds.

The Merck Company Foundation

Support Medical Schools & University facilities.

Faculty Development Grants - Departmental Grants.

Mobil Foundation, Inc.

Projects & facilities - Scientific research.

Morgan Guaranty Trust Company of New York - Charitable Trust
& Foundation

Capital fund programs.

The N. C. R. Foundation -

National Distillers & Chemical Corporation

Unrestricted.

Northrop Corporation

Unrestricted.

Olin Corporation

Selected universities - graduate program in education

Olin Summer Project Grant Program.

Owens-Corning Fiberglas Corporation

Direct grants.

PPG Industries Foundation

Capital & program of interest.

Panhandle Eastern Pipe Line Co./Franklin Gas Company

Unrestricted.

Pfizer Foundation

Unrestricted.

The Procter & Gamble Fund

Unrestricted - departmental.

Pullman Inc. Foundation

Various.

RCA -

Special & unrestricted.

Industrial & Business - Aid-to-Education (continued)

Ralston Purina Company
Direct.

The Reader's Digest Foundation
Travel Research Grants.

St. Regis Paper Company
Capital, building and projects.

Schering Foundation, Inc.
Scientific programs.

Shell Companies Foundation, Inc.
Graduate-Shell aids.

The Singer Company Foundation
Unrestricted.

Stauffer Chemical Company Foundation
Chemistry departments.

TRW Foundation
Grants - capital operations.

Tenneco Foundation
Direct in company interests.

Time Incorporated
Capital 7 unrestricted & special.

Uniroyal Foundation
Grants-in-aid - graduate.

United States Steel Foundation, Inc.
Various.

Westinghouse Educational Foundation
Science equipment - faculty, academic & university
development.

Xerox Corporation
Unrestricted.

* * * *

Polysmognythicalchemstratosphericramicroseopical flux
- -"gas pollution"

In the Name of Research

RICHARD E. SCHUTZ

Inferring the characteristics of a research study in the social sciences from its title is hazardous. The hazard is inherent in the inquiry, not in the inquirer or the inference process. Any social science inquiry of significant magnitude and duration will be more complex than any title can convey, and even the most carefully prepared abstract and proposal will be obsolete in conveying the scope and nature of the inquiry as soon as it is underway.

Yet the practice of criticizing an area of research in the social sciences by identifying silly-sounding titles is becoming increasingly popular. Immediately, romantic love studies are at the top of the laugh list. But with love leading the way, education cannot be far behind. Silly-sounding research titles are plentiful in education. Thus, when the press announcement is released that this is so, there should be no cause for surprise, remorse, or other emotional reaction.

Some searches for silly-sounding titles are motivated by opposition to research in any form, some by opposition to research in the social sciences, some by opposition to research in a specific area. Each such motive uses silly-sounding titles as a partisan ploy, and the results should be viewed in that frame of reference. Others are concerned with improving the quality and import of research endeavors. Here the motives are genuine, but the quest is simplistic when focused on titles. Researchers in education, as well as in the social sciences generally, have traditionally titled research proposals to appeal to sponsors and reviewer specialists rather than to address the public or the press. This tradition makes many titles vulnerable to misinterpretation and distortion when viewed from a nontechnical perspective. Unfortunately, the search for silliness in research titles is a common practice by legislators who often report the results of their searches in Congressional appropriations hearings.

The current flurry of interest by the press and the public in silly-sounding titles indicates that in the future, the titles and descriptions of research proposed and in progress must give attention to a nontechnical as well as a technical audience. However, it is unrealistic to attempt to address both nontechnical and technical audiences in a single communication. Rather than sacrificing the efficiency and precision of technical communication among specialists, it would make greater sense to accompany the technically-oriented identification with a nontechnical description to define and motivate the inquiry for a general audience. The R&D community in the social sciences has had little experience clarifying its endeavors for a nontechnical audience, but it needs to acquire proficiency in such communication—fast.

The elimination of silly-sounding titles is accomplishable. But let us not delude anyone that this advance per se will influence the inquiry being performed. The level, quality, direction, and benefits of R&D in a field must be guided by analyses and judgments more substantial than inspecting titles. To punish a field because a few or many titles can be ridiculed, would be a tragic error. Valuable inquiry is likely to be sacrificed while trivial investigations continue unscathed.

It is fortunate that all aspects of inquiry in the social sciences are rapidly becoming matters of public concern and interest. If the canons well known in the social sciences for registering concern and interest are followed, the R&D community can indeed receive valuable assistance in increasing levels of support for sound inquiry, decreasing support for inferior inquiry, identifying productive directions, and increasing the general benefits from inquiries. If we pursue these common public and professional goals, both the producers and publicizers of silly-sounding titles will take care of themselves.

NSF INSTRUCTIONAL
SCIENTIFIC EQUIPMENT

Although some of the Wright State University proposals to this program were deemed worthy of funding support

and were considered to be meritorious, the funds were not available to meet other factors of the distribution.

Antioch College	Chemistry	\$ 8,200
Bowling Green State Univ.	Mathematics	1,900
Bowling Green State Univ.	Chemistry	19,400
Case Western Reserve Univ.	Earth Sciences	15,700
Case Western Reserve Univ.	Biomedical Engineering	15,000
Case Western Reserve Univ.	Anthropology	2,400
College of Wooster	Biology	5,700
Heidelberg College	Physics	5,500
Heidelberg College	Biology	4,100
Kent State University	Physics	9,800
Miami Univ. - Middletown Campus	Mathematics	2,000
Muskingum College	Biology	3,400
Notre Dame College (Ohio)	Chemistry	8,100
Oberlin College	Chemistry	14,600
Ohio Northern Univ.	Mechanical Engineering	7,900
Ohio State University	Chemistry	20,000
Ohio State University	Civil Engineering	4,100
Ohio University	Industrial & Systems Engineering	3,400
Ohio Wesleyan University	Physics	4,100
University of Akron	Electronic Technology	7,500
University of Akron	Electrical Engineering	16,100
University of Cincinnati	Chemical & Nuclear Engineering	15,000
University of Cincinnati	Electrical Engineering Technology	17,900
University of Dayton	Mechanical Engineering	5,000
University of Dayton	Biology	8,600
University of Toledo	Mechanical Engineering	2,000
University of Toledo	Electrical Engineering	17,200
Ursuline College, Ohio	Chemistry	1,300
Wilmington College	Biology	14,200
Xavier University	Physics	7,100
Xavier University	Physics	2,200

PARAPROFESSIONAL
MANPOWER
DEVELOPMENT

The Public Health Service through the program of Paraprofessional Manpower Development (13.244) provides grants up to \$100,000 for innovative training

programs for paraprofessional mental health generalists. Programs should be designed to meet local manpower needs in this category, both present & predicted. Local Mental Health Delivery Systems should provide the needed data in this regard. Programs may be for in-service training, up-grade training, or education & training for new personnel. The deadline of September 1, 1975 for 1976 programs is tentative. Preliminary proposal prior to formal application is strongly encouraged.

ACLS Fellowships

for research in the humanities; programs with a predominantly humanistic emphasis in any of the social sciences will also be considered. Period of tenure: minimum of six continuous months to a maximum of one year. Awards will rarely exceed \$13,500 each. The Ph.D. or its equivalent is required. Applicants may be no more than 50 years of age. Deadline: September 30, 1975.

Grants for Soviet Studies

will be offered subject to refunding, for research in the social sciences and humanities relating to Revolutionary Russia and the U.S.S.R.; sponsored jointly by the ACLS and the Social Science Research Council. Emphasis is placed on interdisciplinary studies and on applications which bring to Soviet studies insights of sociology, social psychology, cultural anthropology, economics, law, and geography. Only in exceptional cases will grants be made in support of travel for brief visits abroad or to relieve scholars of the necessity of teaching beyond the conventional academic year. (Specialists on pre-1917 Russia are referred to the Council's programs of Fellowships and Grants-in-Aid.) Grants will rarely exceed \$8,500. The Ph.D. or its equivalent is required. Deadline: December 31, 1975: *It is suggested that inquiries regarding this program be made before September 30th, if possible.*

Grants for Advanced Training in Chinese Studies

intended to sustain and advance competence in Chinese studies by providing, for scholars who lack them, opportunities to maintain and improve teaching and research skills; sponsored jointly by the ACLS and the Social Science Research Council. Eligibility is restricted to persons currently employed in the area of historical or contemporary Chinese studies, who, at the time proposed for tenure, will be within twelve years of receipt of the doctorate and will have taught for at least three years. Awards will not normally exceed \$10,000, and the amount will be prorated according to the length of tenure. Grants of two kinds will be made: (1) *Internships for Advanced Training at Major University Centers of Chinese Studies in the United States*, available only to scholars who need to relocate at a major center during the tenure of the grant. Minimum tenure: one semester or two quarters. (2) *Fellowships for Language and Other Training in East Asia*. Minimum tenure: six months. Deadline for Internships and Fellowships: December 1, 1975.

Grants-in-Aid

in support of significant humanistic research. Maximum award: \$3,000. The Ph.D. or its equivalent is required. Deadlines: September 30, 1975 and February 15, 1976.

Study Fellowships

for young scholars in the humanities to enlarge their range of knowledge by study inside or outside the humanities in disciplines other than their present specialization and which normally will employ a different methodology. Social and natural scientists who wish to study a humanistic discipline are also invited to apply. Period of tenure: minimum of six continuous months to a maximum of one year. Stipends will not exceed \$12,000. Although no age limit is imposed, it is expected that applicants will normally be under 36 years of age and have taught for two or three years since acquiring the doctorate. The Ph.D. or its equivalent is required. Deadline: November 15, 1975.

Grants for East European Studies

will be offered subject to refunding, for research in the humanities and social sciences relating to the cultures and populations (regardless of their geographical locus) of Albania, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, Yugoslavia, East Germany since 1945, and modern Greece; sponsored jointly by the ACLS and the Social Science Research Council. Research should be problem oriented and of theoretical relevance in the substantive scholarly disciplines and may be comparative in nature. Such comparative research on social institutions and processes is particularly invited. Support is also offered for research of conceptual and theoretical focus and manifest disciplinary relevance, empirically based on immigrant groups or communities from Eastern Europe. Grants will rarely exceed \$10,000. Stipends in lieu of summer salary or grants for foreign travel will be considered only in exceptional circumstances. The Ph.D. or its equivalent is required. Grants are also offered in rare instances to contribute toward the cost of conferences held in the United States and Canada for the advancement of research in the East European field. Deadline: December 31, 1975. *Travel grants are offered to social scientists specializing in East European studies to participate in international congresses and conferences abroad which deal with East-Central Europe and the Balkan States. Such applications should be submitted by September 15, 1975 for meetings November-May and February 15, 1976 for meetings June-October.*

Grants for Research on Chinese Civilization

for research in the humanities and social sciences relating to pre-1910 China, either in this country or abroad. A theme may carry beyond 1910, but proposals concentrated in post-1910 China should be directed to the Social Science Research Council. Preference will be given to scholars under 50 years of age and to those who have had no recent substantial support. Only in exceptional cases will grants be made (1) to relieve scholars of the necessity of teaching beyond the conventional academic year or (2) in support of travel to Asia for research periods of less than 6 months. Grants will rarely exceed \$12,000. The Ph.D. or its equivalent is required. Deadline: December 1, 1975.

Grants for Study of East European Languages

will be offered subject to refunding, for scholars and graduate students (who have completed at least one year of graduate study at the program deadline) for intensive, intermediate level study abroad of the languages of Albania, Bulgaria, Czechoslovakia, Greece (modern Greek), Hungary, Poland, Romania, and Yugoslavia; sponsored jointly by the ACLS and the Social Science Research Council. Grants are also offered for enrollment in language courses on all levels in the U.S. if such courses are not available in the regular program of the home institution. Applicants wishing to study modern Greek are eligible only if they intend to teach it or to use it in research on modern Greece. Stipends, ranging from \$300 to a maximum of \$1,000, will include not more than the equivalent of overseas group travel and subsistence at one of the summer language centers for foreigners available in most East European countries. (*Support will be provided for the recipient only.*) Deadline: February 1, 1976.

Programs Administered by the Social Science Research Council

will include (under auspices of joint committees of both Councils) grants for post-doctoral research in the humanities and social sciences relating to Africa, Contemporary and Republican China, Japan, Korea, Latin America and the Caribbean (post-1830), the Near and Middle East (since the beginning of Islam), and South Asia. Pre-doctoral fellowships for training and research in the social sciences and humanities related to Africa; East, South, and Southeast Asia; Latin America and the Caribbean; the Near and Middle East; and Western Europe will also be offered. Requests for information regarding these programs should be addressed to the Office of Fellowships and Grants, Social Science Research Council, 605 Third Avenue, New York, New York 10016.

Programs Administered by the International Research and Exchanges Board

will include (under auspices of joint committees of the ACLS and the Social Science Research Council) post-doctoral and pre-doctoral exchanges with Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, the U.S.S.R., and Yugoslavia. *Those United States citizens whose post-doctoral research projects necessitate residence of two months or longer in any one of these countries should apply to IREX rather than to the ACLS.* Correspondence concerning these programs should be addressed to the International Research and Exchanges Board, 110 East 59th Street, New York, New York 10022.

In all of the programs (except that in Study of East European Languages) applicants are required to hold the doctorate or its equivalent as of the stated deadline and must be citizens or permanent residents of the United States or Canada.

In requesting application forms, please state: age, highest academic degree held and date received, citizenship or permanent residence, academic or other position, field of specialization, proposed subject of research or study, period of time for which support is requested, and the specific award program under which application is contemplated.

Application should be made under one program only. If the proposed research lies within the scope of one of the area programs, the application should be so directed; it may not be considered under any of the general categories.

All inquiries and requests for application forms should be addressed to:

Office of Fellowships & Grants
American Council of Learned Societies
345 East 46th Street, New York, N.Y. 10017

CALENDAR OF DEADLINES

JUNE	Code No.	Date
Museum Program		
Conservation & Renovation 45.102	NEA	13
Services to the Field	NEA	13
Fellowships for Museum Professions	NEA	13
Fellowships & Stipends Program		
Senior Fellowships NEH	M-67	17
Program Development		
Special Projects 45.110	NEH	26
Film/T.V. Grants 45.104	NEA	26
Museum & Historical Societies		
Interpretive Exhibition Grants	NEH	26
Community Education Grants	NEH	26
Consumer & Homemaking Education	C-46	30
State Vocational Education Programs & Services	C-21	30
Construction & Remodeling of Vocational		
Education Facilities	C-27	30
Cooperative Vocational Education Programs	C-35	30
Work-Study Programs for Vocational Education		
Students	C-39	30
Special Funds for Vocational Education of the		
Handicapped	C-44	30
Institutional Grants for Research Management		
Improvement	N-73	30
Muscular Dystrophy Association of America -		
Postdoctoral Fellowships	MDAA	30

JULY

Implementation of Materials & Procedures		
Affecting College Teachers (Impact)	EXXON	1
Art Critics Fellowships 45.009	NEA	1
Education Program - Program Grants 45.110	NEH	1
Consultant Grants - Education Program 45.110	NEH	1
Office of Oceanographic Facilities & Support NSF		
Ship Operation Support	N-64	1
Oceanographic Equipment Support	N-64	1
Population Policy Research in the Social		
Sciences	ROCKEFELLER	1
Special Projects to Improve Nurse Training	F-11	1
Research & Development in the Field of the		
Aging	H-1	1
MDTA Research Projects	K-58	1
Manpower-Related Doctoral Dissertation Grants	K-60	1
University Lecturing & Advanced Research Abroad		
CIES	L-61	1
Water Pollution Control Training	M-44	1
Water Pollution Control Research Fellowships	M-45	1

July Calendar (cont.)

	<u>Code No.</u>	<u>Date</u>
International Cooperative Scientific Activities		
U. S./Japan Visits	N-47	1
U. S./Israel 47.014 NSF	N-47	1
Medical Library Resources	G-25	1
Work Experience Internships 45.011	NEA	11
Professional Education & Development 45.011	NEA	20
Institutional Grants for Science (?)	N-51	31

AUGUST

Research in Maternal & Child Health & Crippled Children's Services 13.231 & 13.211 HSA	F-55	1
Dance Touring Program 45.002	NEA	1
Development Grants 45.110	NEH	1
Youthgrants in the Humanities 45.115 NEH	M-68	1
Public Media - Regional Development 45.006	NEA	1
Instruction Improvement Implementation (?)	N-3	1

SEPTEMBER

Research Career Development	F-97	1
General Research Support Grants NIH	G-9	1
Special Training Grants in Mental Health	G-40	1
Undergraduate Research Participation	N-39	10
State Agricultural Experiment Stations Research Program	K-20	15
Postdoctoral Research Associateships NRC	M-69	15
Seminars U.S./Japan	N-47	30

LOOKING AHEAD - National Endowment for the Arts

Architectural & Environmental Arts Program

Public Education & Awareness	Jan. 2, 1976
Academic & Professional Research	Jan. 2, 1976
National Theme: <u>Cityscale</u>	Nov. 3, 1975
American Architectural Heritage	Nov. 3, 1975
Cultural Facilities	Nov. 3, 1975
Services to the Field	Jan. 2, 1976
Design Fellowships	Jan. 2, 1976

Public Media Program

Regional Development	Aug. 1, 1975
Programming in the Arts	Sept. 15, 1975